



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/046,596	10/23/2001	Michael J. Schaffer	INTL-0588-US	2881

7590

03/03/2003

Timothy N. Trop
TROP, PRUNER & HU, P.C.
8554 KATY FWY, STE 100
HOUSTON, TX 77024-1805

EXAMINER

TRAN, CHUC

ART UNIT

PAPER NUMBER

2821

DATE MAILED: 03/03/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/046,596

Applicant(s)

SCHAFFER, MICHAEL J.

Examiner

Chuc D Tran

Art Unit

2821

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 January 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2,4,7,9,12 and 14 is/are rejected.
- 7) ☒ Claim(s) 3,5,6,8,10,11,13 and 15-24 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s) _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in-

(1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effect under this subsection of a national application published under section 122(b) only if the international application designating the United States was published under Article 21(2)(a) of such treaty in the English language; or

(2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that a patent shall not be deemed filed in the United States for the purposes of this subsection based on the filing of an international application filed under the treaty defined in section 351(a).

2. Claims 1, 4, 7, 9, 12 and 14 are rejected under 35 U.S.C. 102(e) as being anticipated by Crawford (USP. 6,456,242).

Regarding claim 1, Crawford disclose an integrated chassis antenna comprising :

- a wireless network computer (100) having a chassis (102) (Fig. 1);
- an integrated chassis antenna (238) that is coupled to the computer chassis (202) (Fig.

3) (Col. 5, Line 5);

- a first wireless network device (260) coupled to the integrated chassis antenna (238)

(Fig. 3) (Col. 6, Line 40); and

- a second wireless network device (250) operative to communicate with the wireless network computer (Col. 6, line 10).

Regarding claims 4 and 7, Crawford disclose an integrated chassis antenna comprising :

- a chassis (202) (Fig. 3);
- an antenna (450) with feed point (308) (Col. 8, Line 1); wherein
- the antenna (450) integrated into a chassis (402) (Col. 7, Line 58); and

Art Unit: 2821

- the antenna (540) includes a center conductor retention feature (588) (Fig. 9).

Regarding claim 9, Crawford disclose an integrated chassis antenna comprising :

- a chassis (202) and a wireless device (250) and the antenna having a feed point (308)

(Col. 8, Line 1); and

- the wireless device (570) coupled to the feed point (580) of the antenna (540) (Fig. 9)

(Col. 10, Line 25).

- Regarding claim 14, Crawford disclose a method comprising:
- Fabricating a chassis (Col. 2, Line 5); and
- Integrating an antenna with the chassis (Col. 2, Line 9).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim 2, are rejected under 35 U.S.C. 103(a) as being unpatentable over Crawford.

Regarding claim 2, Crawford disclose a conformal box antenna comprising the chassis (202) includes front surface and the first wireless network device (260) is coupled to the integrated chassis antenna (238) by a coaxial cable (Fig. 3) (Col. 6, Line 37). However, Crawford is silent on the limitation of the coaxial cable shield conductor is coupled to the front surface of the computer chassis. Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the coaxial cable shield conductor is coupled to the

Art Unit: 2821

chassis at the front surface of the computer chassis as to be a ground circuit in order to maintain substantially constant transmission line impedance since it was known in the art (Col. 6, Line 63).

Allowable Subject Matter

5. Claims 3, 5-6, 8, 10-11, 13 and 15-24 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

6. The following is a statement of reasons for the indication of allowable subject matter:

The prior art of record fails to appreciate the advantage offered by the integrated antenna is formed from a part of the base chassis with the following distinctive features such as set by all dependent claims.

Citation of relevant prior art

7. Prior art Patel (USP. 5,828,339) disclose an integrated directional antenna.

Prior art Delamater (USP. 5,828,341) disclose a laptop computer having internal radio with interchangeable antenna features.

Response to Arguments

8. Applicant's arguments filed 1/25/03 have been fully considered but they are not persuasive.

Applicant argues that the patent by Crawford fails to teach or suggest a wireless computer network having an integrated chassis antenna that is coupled to the computer chassis. The Examiner respectfully disagrees. The Crawford clearly teaches a wireless computer network (100) having an integrated chassis antenna (230) (Col. 5, Line 35) that is coupled to the computer

Art Unit: 2821

chassis (202) (Col. 5, Line 2). Applicant also argues that the present patent application defines “integrated” or “integrating” to mean “form or forming from material that forms a chassis and remaining contiguous, in part, with the chassis”. However, these limitations are not recited in the independent claims. Applicant are reminded that it has been held that limitations from the specification will not be imported or read into the claims. *In re Priest*, 582 F.2d 33, 37, 199 USPQ 11, 15 (CCPA 1978).

Inquiry

9. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chuc D Tran whose telephone number is (703)306-5984. The examiner can normally be reached on M-F Flex hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner’s supervisor, Don Wong can be reached on (703)308-4856. The fax phone numbers for the

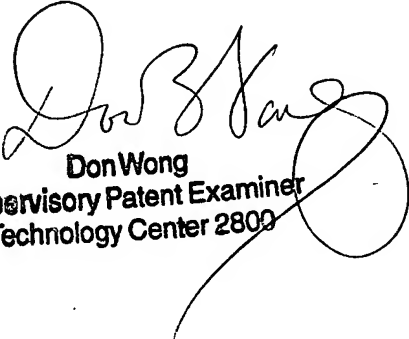
Art Unit: 2821

organization where this application or proceeding is assigned are (703)308-7722 for regular communications and (703)308-7724 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)308-0956.

TDC

February 25, 2003


Don Wong
Supervisory Patent Examiner
Technology Center 2800